

## Product datasheet for **SC108618**

### ZNF510 (NM\_014930) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF510 (NM_014930) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF510
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC108618 sequence for NM\_014930 edited (data generated by NextGen Sequencing)

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ATGTCGCCACATCCAGAAGCCATCACAGATTGTGTGACACTGAACACTGTGGGCCAACTT
GCAGAAGTGTTATCCTTTACGGTTCTCCACACTCTTTCAGGAGCAGCAGAAAAATGAAC
ATATCTCAGGCATCAGTGCATTCAAGGACGTGACTATAGAATTCACCCAGGAGGAGTGG
CAGCAAATGGCCCTGTTCAGAAAGTCTGTACAGAGATGTGATGCTGGAGAACTACAGC
AACCTCGTCTCAGTGGGTACTGCTGTTTCAAACCAGAGGTGATCTTCAAGTTGGAGCAA
GGAGAGGAGCCTTGGTTCTCAGAGGAGGAATTCTCAAACCAGAGTCACCCAAAAGATTAC
AGAGGTGATGACCTGATCAAGCAGAACAAGAAAATCAAAGACAAAACACTTGGAGCAAGCA
ATATGTATCAATAATAAAACATTGACTACAGAGGAAGAGAAAAGTTTTGGGAAACCATTT
ACTCTGCATGTAGCTGCTGTTGCTTCAACAAAAATGCTCCTGCAAATGCAACTCATGGAA
GTGAATTTGCAAAGTATTTCTGAATTTATCATTAAATAATAGAACTATTCAACAAAGAAA
ATAGTTGCGGTAATGTATGTGAGAATTCACCTTCAAATAAATTTGAGAAAACCTCAG
ACTGGAGAGAAAATTTATGAACATAATAAAACATGAAAGCTCTCAATTATAATGAAAAT
CTTCCCAAGCATCAAAGTTTCAAACCTTTGGAGCAAGCTTTTGAATGTAATAAAATTTGGA
AAAGCCTTTAATGATAAGGCTAACTGTGTTAAACATAACAGTTCTCACACAGGAGAAACA
TCCTCTAAAGATGATGAATTTAGGAAAAATTTGTATAAGAAAACCTCTTTGACCACAGG
AGAAGTGGCACAGGGAAGAAACCTGCATCTTAATCAATGTGGGAAATCCTTTGAGAAG
TCAACTGTGGAGGAATATAATAAATTAATATGGGTATAAAACATTATGAATTAATCCA
AGTGGAAATAATTTCAACAGAAAGGCACACCTCACTGATCCTCAAACAGCTGTATAGAA
GAGAACCATTGGTAAGTAAATGACAGAACACAGACTTGGGTTAAATCCTCTGAATATCAT
GAAAATAAGAAATCCTACCAGACGTCGGTTCACAGAGTTCGCCGAAGAAGTCACTCAATG
ATGAAACCTATAAATGTAATGAATGTGGGAAATCCTTCTGTGAGAAAGGACATCTCATT
CAACATCAGAGAACTCACACAGGAGAGAAACCTTTGAATGTAGTGAATGTGGAAAAACT
TTCTCCAGAAAGTCACACCTCAGTACTCATCAGAGAATTCATACAGCAGAAAAACCTAT
AAATGTAATGAATGTGGAAAAACATTTGTCCAGAAGTCAACCCTCAGGGGACATCAAAGA
ATTCACACAGGAGAAAAACCTATGAATGTAGTGAATGTGGGAAAACTTTTGTTCAGAAG
TCCACCCTCAGAGATCATCACAGAATTCACACAGGGGAGAAATCCTTTCAATGCAATCAA
TGTGGAAAAACATTTGGCCAGAAGTCAAACCTCAGAATACATCAGAGAACTCACACTGGG
GAGAAAACTTACCAGTGAATGAATGTGAAAAATCCTTCTGGCGAAAAGATCATCTCATT
CAACATCAGAAAACTCACACGGGAGAGAAACCTTCAAATGTAACGAATGTGGGAAAACT
TTTGCCCGGACATCAACCCTCAGAGTGCATCAAAGAATTCACACTGGGGAGAAACATTT
AAATGTAATGAATGTGGGAAAGAAATTTGTCCGGAAGCAATCCTTAGTGATCATCAGAGA
ATTCACACAGGGGAGAAACCTTTCAAGTGAATAAATGTGGGAANACTTTTGGCCAGAAA
TCAAACCTCAGAAATACATCAAAGGACTCACAGTGGGGAGAAATCTTATGAATGCAATGAA
TATGGGAAATTAAGTGAAGAGTCTACCCTAAGCTTATACCAGAAAATTCAGGGAGAGGGG
AATCCCTATTGA

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Clone variation with respect to NM\_014930.1  
1905 a=>n

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014930 unedited  
TATACGACTCACTATAGGCGGCCGCAATTCGGCACGAGGCTGGTGCAGAGGGTTTCGACAG  
CTCAGGAAGGAGGGAGCCCCAGGAACAGGAGTCCCACCGAAGAAGTCTCTGACAGAA  
CAGAGACCTCCTCACCAGGGCTTCCAAACAGATGCAGAAGAAGCCAGAAAGGAGCAGGTC  
TTGATTTGCCCAACCAGCGGCACCTTCTCATCCCCTTGCCAGAGAGCACCAGACTTGGT  
GATGTCGCCACATCCAGAAGCCATCACAGATTGTGTGACACTGAACACTGTGGGCCAAT  
TGCAGAAGGTGGTTATCCTTTACGGTTCTCCACACTCTTTCAGGAGCAGCAGAAAATGAA  
CATATCTCAGGCATCAGTGTCTTCAAGGACGTACTATAGAATTCACCCAGGAGGAGTG  
GCAGCAAATGGCCCTGTTCAGAAGAATCTGTACAGAGATGTGATGCTGGAGAATAACAG  
CAACCTCGTCTCAGTGGGGTACTGCTGTTTCAAACAGAGGTGATCTTCAAGTTGGAGCA  
AGGAGAGGAGCCTTGGTTCTCAGAGGAGGAATTCTCAAACAGAGTCACCCAAAAGATTA  
CAGAGGTGATGACCTGATCAAGCAGAACAAGANATCAAAGACAAACACTTGGAGCANN  
CATATGTATCAATAATAAACATTGACTACAGAGGAAGAGAAAAGTNTGGGAACCATTT  
ACTCTGCATGTAGCTGCTGTTGCTTCAACAAAATGTCCTGCAAAATGCCACTCATGGGAAG  
TGATTTGCAAAGTATTTCTGGATTTATCATTAAATAGAAACTATCCACAAAAGAAAT  
AAGTTGCCGCTATGTATGTGAGAAATCCACTTTTCAAATTAACCTTTGAGAAACCTCAGA  
CTGGAGAGGAAATTTTTGGACCTAAATAAN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014930 unedited  
GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAATGTAGGA  
ATTGTTTTATTTCTGGATCCATTTAATAACTTTAAAGTACAGTTGACCATGGTTAATGGAA  
ATTGCGTAAAGTAAAAACAGATAAGGGGGGACTACTGTATAAGCTTAAATTTTGCTCA  
CATAATGTTCAACTGGGAAAGACACAGAAGAGGAGAATTTTGCTGCGTGTATTCATTCAG  
GCACAGACTTCTTTATCTTGTACCATGCCACATTAAGCAGCGGCACCAAGCTTGCCTAA  
AAATGATATCCATTTTGTGTGACAGGGCCCTGGTAATTTATTAGGGAAGTCTCTTATGT  
TTCAAACCTGGGATGTGATATACATCATGGACATCCACATCTTAGTAGCCAGTCACAAAGA  
CCAACCTGGATGAAAAGGAGATTGGGAAATCTGGACTATGTGCCTGGAGTAAAATGAAAT  
TGGTGTGGTGAAGAGATTACCAGCCTGTGTGATGTGTGGGAGCTATCTAATAGGGTATG  
ACTTCATTGAGCCTATCCATAGTACTCTGAAAACAGAAGCCTGTCTGAATTCCTTTGATA  
CACTCTGAAGGTTGCATTTTGGACACAATNCTTCTGCAATTCATCTTCTGTTTCTTCTT  
TCCTATGTGAATTCCTGATTCACAGTGAGGGGTTACTTCTGGGACTGTCTTCTACATTC  
ACTACCCTCAATTGGTTTTTGTGTATCTCTGATATAAAATGGGGTATTCCTTTTGTCCA  
AAGGATTTTTTAGTTATTACACTAGGAATCCCCTCTCCCTGAATTTCTGGATAAGC  
CTAAGGTANAACCTTACATATTTCCCATATCACTTGCTTCATAAAATTCCTCCCTGGN  
AGCCCTTGATGAATTCGGAGTTGAATTCGCCAAAGTCCCCTTTATACACTGAGGTGT  
TCCCCTCTGGGATTCCT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_014930

**Insert Size:**

3090 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_014930.1](#), [NP\\_055745.1](#)

**RefSeq Size:** 5154 bp

**RefSeq ORF:** 2052 bp

**Locus ID:** 22869

**UniProt ID:** [Q9Y2H8](#)

**Cytogenetics:** 9q22.33

**Domains:** KRAB, zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a krueppel C2H2-type zinc-finger protein family member. The encoded protein is expressed in several cancer cell types and may be a biomarker for early diagnosis of these cancers. [provided by RefSeq, Sep 2015]  
Transcript Variant: This variant (2) differs in the 5' UTR and represents use of an alternate promoter, compared to variant 1. Both variants 1 and 2 encode the same isoform (1).  
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.